

Appendix B

Field Construction Reports

Appendix B-1
Daily Construction Reports

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 15
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/13/01	DAY OF WEEK Monday
PROJECT MANAGER Don Vernon	WEATHER 44 to 90, clouds, few showers, wind 0 to 50+mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Don Vernon, Lex Strain, Tom Borschel, Craig Bean, Stacey Lilya, Bret Killian, Dave Miller, Cris Duncan, Larry Mac, (BBWI), Brian Corb, Craig Reese, Mark Nielsen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson), Lyman Lindstrand (Vortex),		
EQUIPMENT ON SITE: 5-Case III tractors w/ Miskin Boxes/ Pans (14cy), 3-H2O Trucks (4000 gal), Cat 143H motor grader, Cat 950 loader, Ingersoll-Rand DD-110 Drum roller, Cat CP-563C sheepsfoot roller, Cat 330BL Excavator, John Deere 450E, disc, lime spreader, feed bin, rotovator, Cat 825G compactor, Case 7220 tractor, Cat 815F compactor, Cat TH63 forklift, Cat D6 dozer, Champion 740A motor grader, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 18, Rad Con 1, Rad Survey 4,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics were QA/CQA questions about compliance with job specifications (SWPP etc.), compaction testing on test pad sub grade and evaporation ponds areas, and possible proof rolling.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the final grading and rolling of the test pad sub grade. CQA observed the leveling and placement of sacrificial clay material on clay liner mixing area. CQA observed the beginning of stockpiling of clay liner material. CQA observed beginning of recompaction of West and middle of evaporation ponds area with 815 compactor. CQA observed the moisture conditioning, mixing of soils and compaction with dozer and compactor (East side evaporation pond area). CQA observed contractor excavating Cell 1 and placing material in permanent stockpile. CQA observed the placement of silt fence around perimeter of permanent stockpile area. CQA observed Rad Con (1 person) checking removed material (from cell 1 excavation) in designated stockpile area and continuation of Rad survey.</p> <p>CQA photographed Rye Grass Flats construction activities. CQA observed contractor working on mixing, and moisture conditioning techniques of clay liner material at Rye Grass Flats. CQA observed the excavation (loader) and loading of clay liner material for delivery to the ICDF.</p> <p>CQA observed the arrival and unloading of 17 sacks of bentonite (shipping invoice lot # and sacks lot #'s matched). CQA staff tested final sub grade elevation of the test pad for moisture and density. Density tests (2) were to project specifications. Moisture check checked by Rad Con and taken to lab. Lab completed NCL#1 curve.</p> <p>CQA attended bi-weekly construction meeting (see minutes).</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 37 to 39) and ER-102-01 (Page 15 and 17).</p>		
REVIEWED BY: _____	Bryan Fritzler	REPORT BY: <u>G. Ceylan</u> Erik Olhoffer <u>D</u>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 16
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/14/01	DAY OF WEEK Tuesday
PROJECT MANAGER Don Vernon	WEATHER 47 to 89, clouds, few showers, wind 1 to 13mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Dave Miller, Cris Duncan, Larry Mac, (BBWI), Brian Corb, Craig Reese, Mark Nielsen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson), Lyman Lindstrand (Vortex),		
EQUIPMENT ON SITE: 5-Case III tractors w/ Miskin Boxes/ Pans (14cy), 3-H2O Trucks (4000 gal), Cat 143H motor grader, Cat 950 loader, Ingersoll-Rand DD-110 Drum roller, Cat CP-563C sheepsfoot roller, Cat 330BL Excavator, John Deere 450E, disc, lime spreader, feed bin, rotovator, Cat 825G compactor, Case 7220 tractor, Cat 815F compactor, Cat TH63 forklift, Cat D6 dozer, Champion 740A motor grader, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 18, Rad Con 1, Rad Survey 2, Mountain River 2,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics were CQA weekly meeting to be held on Mondays, replacement of ribbon for buried service waste line, surveyors setting stakes, lab test results, review of CID#20, CQA compaction testing on evaporation ponds areas, and possible proof rolling.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the leveling and placement of sacrificial clay material on clay liner mixing area. CQA observed the continuation of stockpiling of clay liner material. CQA observed continued compaction of middle and East side of evaporation ponds area with 815 compactor. CQA observed the moisture conditioning, mixing of soils and compaction with dozer and compactor (East side evaporation pond area). CQA observed contractor excavating Cell 1 and placing material in permanent stockpile (D6 began cutting to stakes). CQA observed the placement of straw bale check dams (E and S sides). CQA observed Rad Con (1 person) checking removed material (from cell 1 excavation) in designated stockpile area and continuation of Rad survey. CQA observed surveyor placing control stakes in the test pad mixing and evaporation ponds (more clearing and grubbing may be needed South end) areas.</p> <p>CQA photographed Rye Grass Flats construction activities. CQA observed the excavation (loader) and loading of clay liner material for delivery to the ICDF. CQA observed the placement of silt fence around topsoil stockpile.</p> <p>CQA staff began testing of existing grade in the evaporation ponds area for moisture and density (W and middle). Density tests (25) were to project specifications. CQA sampled existing soils (SG#5) for moisture density relationship testing. Density test moisture check (SGEP#1) and SG#5 checked by Rad Con and taken to lab.</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 40 to 42) and ER-102-01 (Page 18).</p>		
REVIEWED BY: _____	Bryan Fritzler	REPORT BY: <i>Erik Olhoffer</i> Erik Olhoffer <i>β</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 17
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/15/01	DAY OF WEEK Wednesday
PROJECT MANAGER Don Vernon	WEATHER 51 to 86, clouds, wind 2 to 26mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Litya, Bret Killian, Dave Miller, Cris Duncan, Larry Mac, Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Nielsen, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson), Lyman Lindstrand (Vortex),		
EQUIPMENT ON SITE: 5-Case III tractors w/ Miskin Boxes/ Pans (14cy), 3-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, feed bin, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, Champion 740A grader, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 18, Rad Con 1, Mountain River 2,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics were CQA compaction testing on evaporation ponds areas and proof rolling, surveyors checking topo for evaporation ponds foot print (growing larger), test pad construction, CCI sent samples off site for testing, beginning of moisture conditioning of clay liner material at ICDF, and checking of straw bale dam placement.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed proof rolling in the evaporation ponds area. CQA observed the continued leveling and placement of sacrificial clay material on clay liner mixing area. CQA observed the continuation of stockpiling of clay liner material. CQA observed stripping and grubbing in the evaporation ponds area (South end). CQA observed the moisture conditioning, mixing of soils and compaction with grader, dozer, and compactors along East side of evaporation ponds area. CQA observed contractor excavating Cell 1 and placing material in permanent stockpile. CQA observed the placement of straw bale check dams (E and S sides). CQA observed Rad Con (1 person) checking removed material (from cell 1 excavation) in designated stockpile area. CQA observed surveyor checking permanent stockpile volume and control stakes in evaporation ponds area.</p> <p>CQA photographed Rye Grass Flats construction activities. CQA observed the excavation (loader) and loading of clay liner material for delivery to the ICDF. CQA observed the placement of silt fence around topsoil stockpile.</p> <p>CQA staff continued testing of existing grade in the evaporation ponds area (middle) for moisture and density. Density tests (5) were to project specifications. CQA sampled density test SGEP#26 for moisture check. Checked by Rad Con and taken to lab. CQA observed proof rolling in the evaporation ponds area. Proof rolling began along West side and moved East 400 feet. No surface rolling or soft areas were observed.</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 43 to 44) and ER-102-01 (Page 19).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 18
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/16/01	DAY OF WEEK Thursday
PROJECT MANAGER Don Vernon	WEATHER 51 to 89, few clouds, wind 2 to 24mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Dave Miller, Cris Duncan, Larry Mac, Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson), Lyman Lindstrand (Vortex), Bob Sutherlin		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, Champion 740A grader, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 16, Rad Con 1, Mountain River 2, Rad Survey 2,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics were CQA compaction testing and proof rolling on evaporation ponds areas, test pad construction, continuing of moisture conditioning and beginning of bentonite spreading on and mixing of clay liner material at ICDF, silt fence placement (Rye Grass), continued excavation of Cell 1, and checking of straw bale dam placement. CQA also met Bob Sutherlin and discussed future CQA survey checks.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed proof rolling in the evaporation ponds area. CQA observed the continued leveling and placement of sacrificial clay material on clay liner mixing area. CQA observed the continuation of stockpiling of clay liner material. CQA observed the beginning of moisture conditioning, spreading of bentonite, and mixing of clay liner material. CQA observed excavation of Cell 1 and placement of material in permanent stockpile and beginning of fill placement on the evaporation ponds area (N end). CQA observed dozer beginning to cut slopes of Cell 1 (N side). CQA observed the placement of straw bale check dams (E and S sides). CQA observed Rad Con (1 person) checking removed material (from cell 1 excavation) in designated stockpile and evaporation ponds areas. Rad survey also continued in early morning.</p> <p>CQA staff continued testing of existing grade in the evaporation ponds area (East side) for moisture and density. Density tests (11) were to project specifications. CQA sampled density test SGEP#31 for moisture check. CQA sampled clay stockpile for index testing (NCL#1, 2, and 3). Samples checked by Rad Con and taken to lab. CQA observed the completion of proof rolling in the evaporation ponds area (cleared for fill placement). CQA faxed bentonite submittals to CQA engineer for review (approved via phone). CQA observed clay liner on mixing table being checked for moisture (microwave) and bentonite volume placement (sampling pan and scale). CQA sampled clay liner for moisture and bentonite placement. CQA sampled sub grade soils placed on evaporation ponds (SG#6).</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 45 to 47) and ER-102-01 (Pages 20 to 21).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: Erik Olhoffer	

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 19
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/17/01	DAY OF WEEK Friday
PROJECT MANAGER Don Vernon	WEATHER 49 to 90, few clouds, wind 2 to 24mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry Mac, Markus Pinzel, (BBWI), Brian Corb, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Lyman Lindstrand (Vortex),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, Champion 740A grader, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 16, Rad Con 1,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics were covering of mixing pan and clay stockpiles at night, density tests on evaporation ponds fill (for contractor information), continuing of moisture conditioning, bentonite application and mixing of clay liner on mixing table, and continued excavation of Cell 1 and fill placement.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the continuation of moisture conditioning, spreading of bentonite, and mixing of clay liner material. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area (N end). CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed dozer continuing to cut slopes of Cell 1 (W and S sides). CQA observed Rad Con (1 person) checking removed material (from cell 1 excavation) in evaporation ponds area.</p> <p>CQA had samples taken 8/16 checked by Rad Con. CQA weighed samples of bentonite placed on mixing table 8/16. CQA discussed bentonite application with inspection and lab staff (large variations, more samples needed). CQA observed clay liner on mixing table being checked for moisture (microwave). CQA sampled clay liner for clod size (CS#1, 2, and 3). CQA observed testing of sampled soils. CQA discussed variations in bentonite spread rates with Brian C. (sacks used vs. amounts sampled and calculated). Contractor decided more bentonite application needed to meet 5% requirement (continue on Monday). CQA tested fill placed for contractor information.</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 49 to 53) and ER-102-01 (Pages 22 to 23).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 20
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/20/01	DAY OF WEEK Monday
PROJECT MANAGER Don Vernon	WEATHER 42 to 89, few clouds, wind 1 to 31mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Mark Cole, Bob Thompson, Craig Bean, Stacey Lilya, Dave Miller, Bret Killian, Cris Duncan, Larry Mac, Markus Pinzel, (BBWI), Brian Corb, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson), Lyman Lindstrand (Vortex),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, Champion 740A grader, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 15, Rad Con 1,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included signs, density tests on evaporation ponds fill, continuing of moisture conditioning, bentonite application and mixing of clay liner on mixing table, and continued excavation of Cell 1 (excavator and rock trucks, daily inspections) and fill placement.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the continuation of moisture conditioning, spreading of bentonite, and mixing of clay liner material (lift 1 complete and stockpiled on test pad). CQA observed lift 2 being brought on to mixing table (moisture conditioning started). CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area (N end). CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed dozer continuing to cut slopes of Cell 1 (S side). CQA observed Rad Con (1 person) checking removed material (from cell 1 excavation) in evaporation ponds area.</p> <p>CQA observed bentonite application (1 more sack), moisture conditioning, and mixing. CQA observed clay liner on mixing table being checked for moisture (microwave). CQA sampled clay liner for moisture and CQA testing (BCL#1). CQA observed testing of sampled soils. CQA tested fill placed in evaporation ponds area for moisture and density (SGEP#42 to 59). Tests were to project specifications.</p> <p>CQA/CQC meeting 10:00 (see minutes).</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 54 to 55) and ER-102-01 (Pages 24 to 25).</p>		
REVIEWED BY: _____	Bryan Fritzler	REPORT BY: <i>Er C. Olhoffer</i> Erik Olhoffer <input checked="" type="checkbox"/>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 21
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/21/01	DAY OF WEEK Tuesday
PROJECT MANAGER Don Vernon	WEATHER 52 to 86, few clouds, wind 3 to 21mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Don Vernon, Tom Borschel, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry Mac, Markus Pinzel, (BBWI), Brian Corb, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, Champion 740A grader, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 19, Rad Con 1, Mountain River 2,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill, continuing of moisture conditioning, bentonite application and mixing of clay liner on mixing table (unit weights), continued excavation of Cell 1, fill placement in evaporation ponds area, test pits in Cell 1 (looking for suitable LCRS gravel), and start of clay liner test pad compaction/testing.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the continuation of moisture conditioning, spreading of bentonite, and mixing of clay liner material (lift 2, called batch 2) halted due to wind/blowing bentonite. CQA observed placement and compaction of first lift on one lane (lane A, 90'x50'). CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area and permanent stockpile. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed loads of clay arriving from Rye Grass Flats. CQA observed dozer continuing to cut slopes of Cell 1 (S side). CQA observed excavator excavating test pits in cell 1.</p> <p>CQA observed and sampled bentonite application, moisture conditioning, and mixing. CQA observed clay liner on mixing table and test pad being checked for moisture (microwave). CQA measured material on mixing table. CQA sampled clay liner for moisture and loose unit weight. CQA began testing clay liner test pad for moisture and density (2 and 4 passes).</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 56 to 57) and ER-102-01 (Page 26).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 22
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/22/01	DAY OF WEEK Wednesday
PROJECT MANAGER Don Vernon	WEATHER 44 to 85, few clouds, wind 2 to 15mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry Mac, Markus Pinzel, (BBWI), Brian Corb, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 19, Rad Con 1, Mountain River 2,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill/progress (pull curve), continuing of moisture conditioning, bentonite application and mixing of clay liner on mixing table (after safety review, new method), continued excavation of Cell 1, fill placement in evaporation ponds area, and review of test pits in Cell 1.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the continuation of moisture conditioning, spreading of bentonite, and mixing of clay liner material (batch 2 complete, batch 3 brought onto table and started). CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area and permanent stockpile. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed loads of clay arriving from Rye Grass Flats. CQA observed dozer continuing to cut slopes of Cell 1 (S side). CQA observed Rad con checking material excavated from Cell 1. CQA observed surveyors placing control stakes in evaporation ponds area. CQA observed the removal and stockpiling of measured Rad areas (from insitu survey).</p> <p>CQA observed bentonite application, moisture conditioning, and mixing. CQA observed clay liner on mixing table and test pad being checked for moisture (microwave). CQA measured material on mixing table. CQA continued testing fill placed on evaporation ponds for moisture and density (SGEP#60 to 90). CQA located one area below project specifications (SGEP#66). The area was reworked, re-tested, and passed to project specifications (SGEP#78). CQA sampled evaporation pond fill for testing (SG#7).</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 58 to 60) and ER-102-01 (Pages 27 to 28).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: <i>Erik Olhoffer</i> Erik Olhoffer B

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 23
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/23/01	DAY OF WEEK Thursday
PROJECT MANAGER Don Vernon	WEATHER 44 to 85, clear, wind 2 to 30mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Curtis Reay, Cris Duncan, Larry Mac, Markus Pinzel, (BBWI), Brian Corb, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 19, Rad Con 1,		
<p>On site 6:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill/progress, continuing of moisture conditioning, bentonite application and mixing of clay liner on mixing table, continued excavation of Cell 1, fill placement in evaporation ponds area, sign placement, and density testing in test pad area.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the continuation of moisture conditioning, spreading of bentonite, and mixing of clay liner material (batch 3 complete, batch 4 brought onto table and started). CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area and permanent stockpile. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1. CQA observed placement and compaction of lifts in the test pad area.</p> <p>CQA observed bentonite application, moisture conditioning, and mixing. CQA observed clay liner on mixing table and test pad being checked for moisture (microwave). CQA continued testing fill placed on evaporation ponds for moisture and density (SGEP#91 to 102). Density tests were to project specifications. CQA continued testing fill placed on clay liner test pad (2 and 4 passes, lanes A and B) for moisture and density. Completed lifts were to project specifications.</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 61 to 63) and ER-102-01 (Page 29).</p>		
REVIEWED BY: _____ Bryan Fritzler		REPORT BY: <u>Erik Olhoffer</u> Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 24
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/24/01	DAY OF WEEK Friday
PROJECT MANAGER Don Vernon	WEATHER 49 to 84, clouds AM, wind 0 to 22mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, (BBWI), Brian Corb, Mark Allen, Mark N. (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator, White Field Boss 2-85 tractor,		
CREW ON SITE: Phenix 15, Rad Con 1,		
<p>On site 6:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill/progress, continuing of moisture conditioning, bentonite application and mixing of clay liner on mixing table, continued excavation of Cell 1, fill placement in evaporation ponds area, and density testing in test pad area.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the continuation of moisture conditioning, spreading of bentonite, and mixing of clay liner material (batch 4 complete, batch 5 brought onto table and started). CQA observed natural clay arriving from Rye Grass Flats borrow area. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area and permanent stockpile. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1. CQA observed placement and compaction of lifts in the test pad area. CQA observed the completion of removal (from parking area) and stockpiling of detected Rad areas from insitu survey.</p> <p>CQA observed bentonite application, moisture conditioning, and mixing. CQA sampled bentonite application. CQA observed clay liner on mixing table and test pad being checked for moisture (microwave). CQA sampled bentonite clay liner material for required CQA tests (BCL#2). CQA continued testing fill placed on evaporation ponds for moisture and density (SGEP#103 to 112). Density tests were to project specifications. CQA continued testing fill placed on clay liner test pad (lifts 2 and 3, at 2, 4, and 6 passes, lanes A and B) for moisture and density. Completed lifts were to project specifications. CQA measured test pad for size and lift thickness. CQA checked silt fences and informed contractor of needed repairs.</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 64 to 66) and ER-102-01 (Page 30 to 31).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: <i>Er CQA</i> Erik Olhoffer	

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 25
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/27/01	DAY OF WEEK Monday
PROJECT MANAGER Don Vernon	WEATHER 47 to 89, clouds, wind 0 to 10 mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Don Vernon, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry Mac, Markus Pinzel, (BBWI), Brian Corb, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator, White Field Boss 2-85 tractor,		
CREW ON SITE: Phenix 16, Rad Con 1,		
<p>On site 6:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill and progress, continuing of moisture conditioning, bentonite application, and mixing of clay liner on mixing table, continued excavation of Cell 1, beginning of stockpiling of LCRS and operations material, NCR disposition (silt fence), and construction of and density testing in test pad area.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the continuation of moisture conditioning, spreading of bentonite, and mixing of clay liner material (batch 5 complete, batch 6 brought onto table and started). CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area and permanent stockpile. CQA observed the beginning of LCRS gravel stockpiling (west of temporary stockpile). CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1. CQA observed placement and compaction of lifts in the test pad area.</p> <p>CQA observed bentonite application, moisture conditioning, and mixing. CQA sampled bentonite application. CQA observed clay liner on mixing table and test pad being checked for moisture (microwave). CQA received bentonite clay liner curve from lab (BCL#2). CQA did not test fill placed on evaporation ponds for moisture and density. CQA continued testing fill placed on clay liner test pad (lifts 3 and 4, at 4 and 6 passes, lanes A and B) for moisture and density. Completed lifts were to project specifications. CQA measured test pad for size and lift thickness. CQA checked silt fences (repairs complete).</p> <p>Off site 20:00.</p> <p>Field book reference numbers ER-100-01 (pages 67 to 69) and ER-102-01 (Page 32 to 33).</p>		
REVIEWED BY: _____	Bryan Fritzler	REPORT BY: <i>Er C Olhoffer</i> Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 26
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/28/01	DAY OF WEEK Tuesday
PROJECT MANAGER Don Vernon	WEATHER 47 to 92, clear, wind 1 to 16 mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Don Vernon, Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry Mac, Markus Pinzel, (BBWI), Brian Corb, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator, White Field Boss 2-85 tractor,		
CREW ON SITE: Phenix 18, Rad Con 1, Rad Survey 2, Mountain River 2,		
<p>On site 6:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill and progress (possible design change, dropping grades and moving east away from power lines), continuing of moisture conditioning, bentonite application, and mixing of clay liner on mixing table, continued excavation of Cell 1, continuation of stockpiling of LCRS and operations material, and construction of and density testing in test pad area.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the continuation of moisture conditioning, spreading of bentonite, and mixing of clay liner material (batch 6 complete, batch 7 brought onto table and completed). CQA observed natural clay arriving from Rye Grass Flats borrow area. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1. In situ Rad survey completing final areas. CQA observed surveyors placing control stakes and checking grades in evaporation ponds area. CQA observed placement and compaction of lifts in the test pad area. CQA observed perimeter CERCLA signs being removed (placed around Rad stockpile).</p> <p>CQA observed bentonite application, moisture conditioning, and mixing (wind slowed application). CQA sampled bentonite application. CQA observed clay liner on mixing table and test pad being checked for moisture (microwave). CQA sampled bentonite clay liner (batch #6) per CQA plan (BCL#3). CQA also sampled natural clay for index testing (NCL#4 and 5). CQA tested fill placed on evaporation ponds for moisture and density (SGEP#113 to 148, 2nd lift complete). Density tests were to project specifications. CQA continued testing fill placed on clay liner test pad (lifts 4 and 5, at 4 and 5 passes, lanes A and B) for moisture and density. Completed lifts were to project specifications. CQA measured test pad for size and lift thickness.</p> <p>Off site 20:00.</p> <p>Field book reference numbers ER-100-01 (pages 70 to 72) and ER-102-01 (Page 34).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: <i>Erin C. Oyle</i> Erik Olhoffer	

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 27
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/29/01	DAY OF WEEK Wednesday
PROJECT MANAGER Don Vernon	WEATHER 47 to 90, clear, wind 1 to 16 mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Don Vernon, Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry Mac, Markus Pinzel, Dave Miller, (BBWI), Brian Corb, Mark Allen, Craig Reese, Mark Nielson, Jay Dehner, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheepsfoot roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 and D8 dozers, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, JD 450 LC excavator, White Field Boss 2-85 tractor,		
CREW ON SITE: Phenix 15, Rad Con 1, Mountain River 2,		
<p>On site 6:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill and progress, continuing of moisture conditioning, bentonite application, and mixing of clay liner on mixing table, continued excavation of Cell 1, continuation of stockpiling of LCRS and operations material, and construction of and density testing in test pad area.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed the continuation of moisture conditioning, spreading of bentonite, and mixing of clay liner material (batch 7 stripped, batch 8 brought onto table, completed, and stockpiled on test pad). CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1. CQA observed surveyors placing control stakes and checking grades in evaporation ponds area. CQA observed placement and compaction of lifts in the test pad area. CQA observed repairs to silt fencing.</p> <p>CQA observed bentonite application, moisture conditioning, and mixing (wind slowed application). CQA sampled bentonite application. CQA observed clay liner on mixing table and test pad being checked for moisture (microwave). CQA sampled bentonite clay liner (batch #7) per CQA plan (BCL#4). CQA did not test fill placed on evaporation ponds. CQA continued testing fill placed on clay liner test pad (lifts 5, 6, and 7, at 4 and 5 passes, lanes A and B 2 lifts each) for moisture and density. Completed lifts were to project specifications. CQA measured test pad for size and lift thickness.</p> <p>Construction/CQA meeting held at 10:00 (see minutes).</p> <p>Off site 18:30.</p> <p>Field book reference numbers ER-100-01 (pages 73 to 74) and ER-102-01 (Page 35).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: <i>Er Couls</i> Erik Olhoffer	

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 28
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/30/01	DAY OF WEEK Thursday
PROJECT MANAGER Don Vernon	WEATHER 47 to 90, clouds, T-sh. PM, wind 1 to 16+mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry Mac, Dave Miller, (BBWI), Brian Corb, Mark Allen, Craig Reese, (CH2M Hill), Lance Peterson (Phenix), Lyman Lindstrand (Vortex), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheep. roller, Cat 330BL excavator, JD 450E dozer, disc, lime spreader, rotovator, Cat 815F & 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 and D8 dozers, 1 end dump(10 wheel), 1 end dump(semi), 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 450 LC excavator, White Field Boss 2-85 tractor,		
CREW ON SITE: Phenix 17, Rad Con 1,		
<p>On site 6:30.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill and progress (final ele. moved down 3'), continued excavation of Cell 1, continuation of stockpiling of LCRS and bedding material, manufactures installation instructions for silt fence (new shipment on site 8/29), and completion of construction and density testing in test pad area (final lifts and repair procedures).</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area (one area reworked). CQA observed Rad con checking material excavated from Cell 1. CQA observed drying out, placement, and compaction of lifts in the test pad area. CQA observed 10' x 20' x 6" area of each lane being ripped, rotovated, and recompacted for repair procedure. CQA observed stockpiling of natural clay on mixing table.</p> <p>CQA observed clay liner on test pad being dried back and being checked for moisture (microwave). CQA received curve results for BCL#3. CQA testing fill placed on evaporation ponds (SGEP#149 to 166). CQA tested one area that was below project specifications (SGEP#155). The area was reworked, compacted, and retested to project specifications (SGEP#167). CQA continued testing fill placed on clay liner test pad (final lifts at 4 and 5 passes, lanes A and B) for moisture and density. Completed lifts were to project specifications. CQA also tested repaired areas for moisture and density. Repairs were to project specifications. CQA sampled repaired areas for permeability (1 sample each lane, Lane B appeared wet).</p> <p>Off site 20:00.</p> <p>Field book reference numbers ER-100-01 (pages 75 to 77) and ER-102-01 (Page 36 and 37).</p>		
REVIEWED BY: _____	Bryan Fritzler	REPORT BY: <u>Erin Coughlin</u> Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 29
CONTRACTOR CH2M HILL Constructors, INC.	DATE 8/31/01	DAY OF WEEK Friday
PROJECT MANAGER Don Vernon	WEATHER 48 to 88, clouds, wind 0 to 25mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Stacey Lilya, Bret Killian, Cris Duncan, (BBWI), Craig Reese, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 roller, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 15, Rad Con 1, Mountain River 2,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill and progress (lift 3 to be completed), continued excavation of Cell 1, SWPP inspection results from 8/30, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed cutting of slopes in Cell I. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area (six areas reworked). CQA observed Rad con checking material excavated from Cell 1. CQA observed surveyor placing stakes in evaporation ponds and Cell I (N end). CQA observed cover soil being placed on Rad stockpile and repair of silt fence around it. CQA observed work on perimeter ditch outflow (grader extending for placement of straw bale check dam.</p> <p>CQA testing fill placed on evaporation ponds (SGEP#168 to 190). CQA tested six areas that were below project specifications (SGEP#172, 173, 176, 177, 178, and 184). The areas were reworked, compacted, and retested to project specifications (SGEP#185, 186, 187, 188, 189, and 190). Testing on 3rd lift of evaporation ponds complete. CQA discussed procedure for clearing areas for density testing with Craig R. (more grid stakes).</p> <p>Off site 17:45.</p> <p>Field book reference numbers ER-100-01 (pages 78 to 80) and ER-102-01 (Page 38).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: <i>EC</i> <i>CC/JS</i>	Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 30
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/4/01	DAY OF WEEK Tuesday
PROJECT MANAGER Don Vernon	WEATHER 42 to 93, clouds, wind 1 to 27mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Dave Miller, Stacey Lilya, Russ Jones, Bret Killian, Cris Duncan, Larry Mc Manamon, (BBWI), Brian Corb, Craig Reese, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT ON SITE: 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD-450 LC excavator,		
CREW ON SITE: Phenix 18, Mountain River 2, Rad Con 1,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests on evaporation ponds fill and progress, continued excavation of Cell 1, removal of silty material soil from North side of Cell 1 (haul to permanent stockpile), placement of silt fences around stockpiles, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1. CQA observed surveyor placing stakes in evaporation ponds and Cell 1. CQA observed cutting of trenches and placement of silt fences around stockpiles and SE corner of site.</p> <p>CQA testing fill placed on evaporation ponds 4th lift (SGEP#191 to 210). Density results with moisture density gauge were to project specifications.</p> <p>Off site 18:30.</p> <p>Field book reference numbers ER-100-01 (pages 81 to 82) and ER-102-01 (Page 39).</p>		
REVIEWED BY: _____	Bryan Fritzler	REPORT BY: <u><i>m. Collins</i></u> Erik Olhoffer <u>B</u>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 31
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/5/01	DAY OF WEEK Wednesday
PROJECT MANAGER Don Vernon	WEATHER 61 to 84, clouds, wind 1 to 30mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Dave Miller, Stacey Liliya, Russ Jones, Bret Killian, Cris Duncan, Markus Pinzel, Tom Borschel, (BBWI), Brian Corb, Craig Reese, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams, Phillip Crouse, (Montgomery-Watson), Ken Criley (Vector), Dan Kennedy (NorthWind),		
EQUIPMENT ON SITE: 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 450 LC excavator,		
CREW ON SITE: Phenix 20, Rad Con 1,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, start of and setup of Boutwells (JSA approved), and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed cutting of slopes in Cell I. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1.</p> <p>Wind halted hauling of material out of Cell I at 14:40.</p> <p>CQA locating tests 4th lift (SGEP#191 to 210). CQA began Boutwell placement (auguring holes, Lane B).</p> <p>Off site 17:00.</p> <p>Field book reference numbers ER-100-01 (pages 83 to 84) and ER-102-01 (Page 40).</p>		
REVIEWED BY: _____ Bryan Fritzler		REPORT BY: <u>Er Colld</u> Erik Olhoffer <u>B</u>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 32
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/6/01	DAY OF WEEK Thursday
PROJECT MANAGER Don Vernon	WEATHER 40 to 55, clouds, wind 4 to 31mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Stacey Lilya, Bret Killian, Cris Duncan, (BBWI), Brian Corb, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Brodie Adams, Phillip Crouse, (Montgomery-Watson), Ken Criley (Vector), Kevin Harris (NorthWind),		
EQUIPMENT ON SITE: 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 21, Rad Con 1,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell placement, placement of culverts at Rye Grass Flats, need of silt fence installation instructions, continuation of over excavation of silty material from around Cell 1 berm, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed cutting of slopes in Cell I. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 4, south end, and lift 5, north end). Density tests with moisture density gauge were to project specifications. CQA located areas tested (SGEP#212 to 240). CQA continued Boutwell placement (cleaned out and leveled holes, placement of PVC pipes into ground with bentonite layers - lane B, auguring holes - lane A). CQA sampled bottom of placed Boutwells for moisture.</p> <p>CQA attended test pad construction review meeting at 9:00.</p> <p>Off site 18:30.</p> <p>Field book reference numbers ER-100-01 (pages 85 to 86) and ER-102-01 (Page 41 to 43).</p>		
REVIEWED BY: _____ Bryan Fritzler		REPORT BY: <u><i>Er Colly</i></u> Erik Olhoffer <u><i>B</i></u>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 33
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/7/01	DAY OF WEEK Friday
PROJECT MANAGER Don Vernon	WEATHER 31 to 65, clouds, wind 1 to 35 mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Don Vernon, Stacey Lilya, Bret Killian, Cris Duncan, (BBWI), Brian Corb, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Ken Criley (Vector),		
EQUIPMENT ON SITE: 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 21, Rad Con 1,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell placement, continuation of over excavation of silty material from around Cell 1 berm, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 5, south end and lift 6, north end). One density test with moisture density gauge was below project specifications. The area was recompacted and retested to project specifications. CQA located areas tested (SGEP#240 to 281). CQA continued Boutwell placement (filled holes, set up burette stands, (1B to 6B), placing Boutwell pipes, layer of bentonite, (1A, 4A, and 5A) augured final holes (TEG and swell / temperature). CQA sampled bottom of placed Boutwells for moisture.</p> <p>Off site 18:30.</p> <p>Field book reference numbers ER-100-01 (pages 87 to 88) and ER-102-01 (Page 44).</p>		
REVIEWED BY: _____	Bryan Fritzler	REPORT BY: <i>Erin Coleman</i> Erik Olhoffer <input type="checkbox"/>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 34
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/10/01	DAY OF WEEK Monday
PROJECT MANAGER Don Vernon	WEATHER 37 to 83, clear, wind 2 to 13 mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Don Vernon, Craig Bean, Stacey Lilya, Bret Killian, Markus Pinzel, Cris Duncan, (BBWI), Brian Corb, Craig Reese, Mark Allen, (CH2M Hill), Lance Peterson (Phenix), Ken Criley (Vector),		
EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 21, Rad Con 1, Mountain River 2,		
<p>On site 7:00.</p> <p>CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell placement, continuation of over excavation of silty material from around Cell 1 berm, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1. Surveyor setting controls in evaporation ponds, Cell 1, and topos of stockpiles for volume.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 6, south end and lift 7, north end). Density tests with moisture density gauge were to project specifications. CQA located areas tested (SGEP#282 to 312). CQA continued Boutwell placement (filled holes with H2O, set up burette tubes, (1B to 6B), placing Boutwell pipes, layers of bentonite, (2A, 3A, and 6A), filled holes with H2O, (1A, 4A, and 5A), TEG placed and filled and set up). CQA sampled bottom of placed Boutwells for moisture.</p> <p>Off site 18:30.</p> <p>Field book reference numbers ER-100-01 (pages 89 to 90) and ER-102-01 (Page 45).</p>		
REVIEWED BY: _____	Bryan Fritzler	REPORT BY: <i>Bryan Fritzler</i> Erik Olhoffer <i>B</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 35
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/11/01	DAY OF WEEK Tuesday
PROJECT MANAGER Don Vernon	WEATHER 37 to 82, clear, wind 2 to 5 mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Don Vernon, Tom Borschel, Mark Cole, Craig Bean, Stacey Lilya, Bret Killian, Markus Pinzel, Cris Duncan, Dave Miller, (BBWI), Brian Corb, Craig Reese, Mark Allen, Mark Nielsen, (CH2M Hill), Lance Peterson (Phenix), Ken Criley (Vector),		
EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 21, Rad Con 1,		
<p>On site 7:00.</p> <p>CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell placement, continuation of over excavation of silty material from around Cell 1 berm, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed Rad con checking material excavated from Cell 1.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 7, middle). Density tests with moisture density gauge were to project specifications. CQA located areas tested (SGEP#313 to 317). CQA continued Boutwell placement (filled holes with H2O, setting up burette stands, (2A, 3A, and 6A), setting up burette stands, (1A, 4A, and 5A)).</p> <p>Work halted at 9:35.</p> <p>Off site 10:00.</p> <p>Field book reference numbers ER-100-01 (page 91) and ER-102-01 (Page 46).</p>		
REVIEWED BY: _____ Bryan Fritzler		REPORT BY: <u>Er. Cole</u> Erik Olhoffer <u>B</u>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 36
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/12/01	DAY OF WEEK Wednesday
PROJECT MANAGER Don Vernon	WEATHER 52 to 71, cloudy showers, wind 1 to 16 mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry M. (BBWI), Brian Corb, Craig Reese, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Ken Criley (Vector),		
EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 21, Rad Con 1,		
<p>On site 7:00.</p> <p>CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell placement / testing, continuation of over excavation of silty material from around Cell 1 berm, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed scarifying and moisture conditioning north side of Cell 1 embankment. CQA observed Rad con checking material excavated from Cell 1.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 7, S end, lift 8, N end). Density tests with moisture density gauge were to project specifications. CQA located areas tested (SGEP#318 to 344). CQA continued Boutwell placement (filled holes with H2O and setting up burette stands, 1A, 2A, 3A, 4A, 5A, and 6A). CQA began taking readings on BW 1B, 2B, 3B, 4B, 5B, and 6B. CQA began entering readings into spreadsheets.</p> <p>Off site 18:00.</p> <p>Field book reference numbers ER-100-01 (pages 92 to 93) and ER-102-01 (Page 47).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: Erik Olhoffer	

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 37
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/13/01	DAY OF WEEK Thursday
PROJECT MANAGER Don Vernon	WEATHER 51 to 70, cloudy showers, wind 1 to 30 mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Stacey Lilya, Bret Killian, Cris Duncan, Larry M. (BBWI), Brian Corb, Craig Reese, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Ken Criley (Vector),		
EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 21, Rad Con 1, Mountain River 2,		
<p>On site 7:00.</p> <p>CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell placement / testing, continuation of over excavation of silty material from around Cell 1 berm, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer, and permanent stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed moisture conditioning and compaction north side of Cell 1 embankment. CQA observed Rad con checking material excavated from Cell 1. Surveyors on site setting controls.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 8, S end, lift 9, N end). Density tests with moisture density gauge were to project specifications. CQA located areas tested (SGEP#345 to 371). CQA setup swell / temperature gauge. CQA continued Boutwell readings Lane B. CQA began Boutwell readings on Lane A. CQA continued entering readings into spreadsheets.</p> <p>Survey meeting 11:00.</p> <p>Off site 18:00.</p> <p>Field book reference numbers ER-100-01 (pages 94 to 95) and ER-102-01 (Page 48).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: <i>bn C Olliver</i> Erik Olhoffer <i>B</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 38
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/14/01	DAY OF WEEK Friday
PROJECT MANAGER Don Vernon	WEATHER 50 to 75, clear/rain overnight, wind 1 to 7mph	
CQA MONITOR Erik Olthoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Stacey Lilya, Bret Killian, Cris Duncan, (BBWI), Brian Corb, Craig Reese, (CH2M Hill), Lance Peterson (Phenix), Kevin Harris (NorthWind)		
EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 22, Rad Con 1, MTI 1,		
<p>On site 7:00.</p> <p>CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, MTI testing Cell 1 embankment north side, continued excavation of Cell 1, continuation of Boutwell testing, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, LCRS/operations layer and permanent stockpiles. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed moisture conditioning and compaction west side of Cell 1 embankment. CQA observed Rad con checking material excavated from Cell 1. CQA observed material excavated from Cell 1 being hauled to ash pit. CQA observed MTI testing for moisture and density along north side of Cell 1 embankment.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 9, S end, lift 10, N end). Density tests with moisture density gauge were to project specifications. CQA located areas tested (SGEP#372 to 393). CQA continued Boutwell readings Lanes A and B. CQA continued entering readings into spreadsheets.</p> <p>Off site 16:45.</p> <p>Field book reference numbers ER-100-01 (pages 96 to 97) and ER-102-01 (Page 49).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: <i>Erk Olthoffer</i> Erik Olthoffer <i>BO</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 39
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/17/01	DAY OF WEEK Monday
PROJECT MANAGER Don Vernon	WEATHER 47 to 72, clouds/rain, wind 1 to 10 mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Don Vernon, Lex Strain, Craig Bean, Stacey Litya, Bret Killian, Cris Duncan, Markus Pinzel, Larry M. (BBWI), Brian Corb, Mark N., Craig Reese, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Kevin Harris (NorthWind)		
EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 19,		
<p>On site 7:00.</p> <p>CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell testing, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, and LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed scarification and moisture conditioning of Cell 1 embankment (south side). CQA observed proofrolling along north and west sides of Cell 1 embankment.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 10, S end). Two density tests with moisture density gauge were below project specifications (SGEP#407 and #409). Areas were recompacted and retested to project specifications (SGEP#408 and #410). CQA located areas tested (SGEP#394 to 413). CQA began testing Cell 1 embankments for moisture and density. Density tests were to project specification (SGC1#1 to #17). CQA located areas tested. CQA continued Boutwell readings Lanes A and B. CQA continued entering readings into spreadsheets.</p> <p>Construction meeting 10:00 (see minutes).</p> <p>Off site 17:00.</p> <p>Field book reference numbers ER-100-01 (pages 98 to 99) and ER-102-01 (Page 50).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: <i>Erik Olhoffer</i> Erik Olhoffer β	

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 40
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/18/01	DAY OF WEEK Tuesday
PROJECT MANAGER Don Vernon	WEATHER clear AM/T-shower PM	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry M.(BBWI), Craig Reese, Mark N., (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 20, Mountain River 2,		
<p>On site 7:00.</p> <p>CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell testing, and continuation of stockpiling of LCRS and bedding material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, and LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed scarification and moisture conditioning of Cell 1 embankment (south side). CQA observed surveyors setting controls.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 11, SGEP#414 to 440). Density tests were to project specifications. CQA located areas tested (SGEP#414 to 428). CQA inspected silt fences and check dams (areas needing repair and cleaning were reported to CH2MHill).</p> <p>Off site 17:15.</p> <p>Field book reference numbers ER-100-01 (pages 100 to 101) and ER-102-01 (Page 51).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: <i>bu COMA</i> Erik Olhoffer B	

VECTOR ENGINEERING, INC.

NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 41
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/19/01	DAY OF WEEK Wednesday
PROJECT MANAGER Don Vernon	WEATHER cloudy/windy PM	
QA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		

ADDITIONAL COMMUNICATION (PERSON/COMPANY) Lex Strain, Don Vernon, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Tom B., Larry M.(BBWI), Craig Reese, Mark N. Mark A., (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix).

EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 grader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,

REW ON SITE: Phenix 20, Mountain River 2,

On site 7:00.

CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell testing, surveyors setting controls for perimeter fence, and continuation of stockpiling of LCRS/operations material.

CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, and LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed scarification, moisture conditioning, and compaction of Cell 1 embankment (south side). CQA observed surveyors setting controls.

CQA tested evaporation ponds fill for moisture and density (lift 12, N end, SGEP#441 to 455). Density tests were to project specification. CQA located areas tested (SGEP#429 to 455). CQA continued Boutwell readings Lanes A and B. CQA continued entering readings into spreadsheets.

Off site 20:00.

Field book reference numbers ER-100-01 (pages 102 to 103) and ER-102-01 (Page 52).

REVIEWED BY: Bryan Fritzler	REPORT BY: Erik Olhoffer
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VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 42
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/20/01	DAY OF WEEK Thursday
PROJECT MANAGER Don Vernon	WEATHER clear	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, Cris Duncan, Larry M.(BBWI), Craig Reese, Mark A., (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 20,		
<p>On site 7:00.</p> <p>CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell testing, fixing silt fences, and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, and LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds area. CQA observed scarification, moisture conditioning, and compaction of Cell 1 embankment (south side).</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 12, S end, lift 13, N end, SGEP# 456 to 473). One density test was below project specifications (SGEP#471). Area was recompact and retested to specification (SGEP#472). CQA located areas tested (SGEP#456 to 473).</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 104 to 105) and ER-102-01 (Page 53).</p>		
REVIEWED BY: _____ Bryan Fritzler	REPORT BY: <u>Erin Coyne</u> Erik Olhoffer B	

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 43
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/21/01	DAY OF WEEK Friday
PROJECT MANAGER Don Vernon	WEATHER clear, 37 to 83, windy PM	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Craig Bean, Stacey Lilya, Bret Killian, (BBWI), Craig Reese, Mark A., (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 to 4-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 18,		
<p>On site 7:00.</p> <p>CQA staff attended job meeting. Topics were safety and scope of work to be done today and work progress. CQA attended CQC/CQA meeting. Topics included density tests / locations evaporation ponds fill and progress, continued excavation of Cell 1, continuation of Boutwell testing, beginning of fill placement north side Cell 1 embankment, testing for moisture and density of south side of Cell 1 footprint (MTI on site), and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1 and fill placement in the evaporation ponds area, and LCRS/operations layer stockpile. CQA observed the beginning of fill placement on the north and west sides of Cell 1 embankments. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds and Cell 1 areas.</p> <p>CQA tested evaporation ponds fill for moisture and density (lift 13, S end, SGEP# 474 to 483). Density tests were to project specifications. CQA tested south side of Cell 1 footprint for moisture and density (SGC1#18 to 24). CQA located areas tested (SGEP#474 to 483 and SGC1# 18 to 24). CQA continued Boutwell readings Lanes A and B. CQA continued entering readings into spreadsheets. CQA observed proofrolling of south side of Cell 1 footprint. No soft areas were observed.</p> <p>Off site 16:00.</p> <p>Field book reference numbers ER-100-01 (pages 106 to 107) and ER-102-01 (Page 54).</p>		
REVIEWED BY: _____ Bryan Fritzler		REPORT BY: <u>Erik Olhoffer</u> Erik Olhoffer B

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 44
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/24/01	DAY OF WEEK Monday
PROJECT MANAGER Don Vernon	WEATHER clear, 39 to 88,	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Cris Duncan, Craig Bean, Stacey Lilya, Bret Killian, Larry M., Markus P., Tom B. (BBWI), Craig Reese, Mark A., (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Ken Criley (Vector),		
EQUIPMENT ON SITE: 2 -Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator,		
CREW ON SITE: Phenix 20,		
<p>On site 8:00.</p> <p>CQA reviewed POD and pre-job briefing. Topics were safety and scope of work to be done today. CQA discussed CQC/CQA topics with Craig R. Topics included density tests / locations evaporation ponds fill, Cell 1 embankments, continued excavation of Cell 1, completion of Boutwell testing, fill placement evaporation ponds and Cell 1 embankments, and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1. CQA observed fill placement in the evaporation ponds area and Cell 1 embankments, and stockpiling on the LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds and Cell 1 areas.</p> <p>CQA staff tested evaporation ponds fill for moisture and density (lift 13, S end, lift 14, N end, SGEP# 484 to 524). Three density tests were below project specifications (SGEP#509, 511, and 521). Two areas were recompacted and retested to project specifications (SGEP#510 and 512). One area will be reworked and tested 9/25 (SGEP#521). CQA staff tested Cell 1 embankments for moisture and density (N and W sides, SGC1#25 to 41). Density tests were to project specifications. CQA located areas tested (SGEP#484 to 524 and SGC1# 25 to 41). CQA stopped Boutwell readings and made preparations for permeability sampling. CQA staff observed repairs to silt fences. CQA discussed topsoil placement on evaporation pond slopes with Craig R. (thickness will be checked by test holes).</p> <p>Off site 18:30.</p> <p>Field book reference numbers ER-100-01 (pages 108 to 109) and ER-102-01 (Page 55 to 56).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: <i>ku Cull</i> Erik Olhoffer B

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 45
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/25/01	DAY OF WEEK Tuesday
PROJECT MANAGER Don Vernon	WEATHER cloudy, 45 to 86, wind 25+ mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Cris Duncan, Craig Bean, Stacey Lilya, Bret Killian, (BBWI), Brian Corb, Craig Reese, Mark A. (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Kevin Harris (North Wind)		
EQUIPMENT ON SITE: 2 -Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator, Champion 740A grader,		
CREW ON SITE: Phenix 20, North Wind 2,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today. CQA attended CQA/CQC meeting. Topics included density tests / locations evaporation ponds fill, Cell 1 embankments, continued excavation of Cell 1, permeability sampling of test pad, fill placement evaporation ponds and Cell 1 embankments, and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1. CQA observed fill placement in the evaporation ponds area and Cell 1 embankments, and stockpiling on the LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed grading in the evaporation ponds. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds and Cell 1 areas.</p> <p>CQA retested SGEP#521 after area was recompacted (SGEP#535). CQA staff tested evaporation ponds fill for moisture and density (N end, S end, lift 15, SGEP# 525 to 547). Density tests were to project specifications. CQA staff tested Cell 1 embankments for moisture and density (S end, SGC1#42 to 48). Density tests were to project specifications. CQA located areas tested (SGEP#525 to 547 and SGC1# 41 to 48). CQA removed stands and burettes from Boutwells.</p> <p>Off site 18:30.</p> <p>Field book reference numbers ER-100-01 (pages 110 to 111) and ER-102-01 (Page 57).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: <i>Erik Olhoffer</i> Erik Olhoffer <i>B</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 46
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/26/01	DAY OF WEEK Wednesday
PROJECT MANAGER Don Vernon	WEATHER few clouds, 53 to 75, wind 20+ mph PM	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Cris Duncan, Craig Bean, Stacey Lilya, Bret Killian, (BBWI), Brian Corb, Craig Reese, Mark A. (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 -Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator, Champion 740A grader, two person auger,		
CREW ON SITE: Phenix 20,		
<p>On site 12:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today. CQA attended CQA/CQC meeting. Topics included density tests / locations evaporation ponds fill, Cell 1 embankments, continued excavation of Cell 1, permeability sampling of test pad, fill placement evaporation ponds and Cell 1 embankments, and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1. CQA observed fill placement in the evaporation ponds area and Cell 1 embankments, and stockpiling on the LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed grading in the evaporation ponds. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds and Cell 1 areas.</p> <p>CQA staff tested Cell 1 embankments for moisture and density (W and N sides, SGC1#49 to 65). Density tests were to project specifications. CQA located areas tested (SGC1# 49 to 65). CQA began augering holes and pushing Shelby tubes for permeability samples. CQA located test pad corners, Boutwells, TEG, swell/temperature gauge, and permeability samples placed.</p> <p>Off site 19:00.</p> <p>Field book reference numbers ER-100-01 (pages 112 to 113) and ER-102-01 (Page 58 to 59).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: <i>bu CQA</i>	Erik Olhoffer <i>B</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 47
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/27/01	DAY OF WEEK Thursday
PROJECT MANAGER Don Vernon	WEATHER clouds PM, 37 to 75, wind 20+ mph	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Cris Duncan, Craig Bean, Stacey Lilya, Bret Killian, Larry M. (BBWI), Brian Corb, Craig Reese, Mark A. (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 -Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator, Champion 740A grader, two person auger,		
CREW ON SITE: Phenix 23, MTI 1,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today. CQA attended CQA/CQC meeting. Topics included density tests / locations evaporation ponds fill and Cell 1 embankments, continued excavation of Cell 1, permeability sampling of test pad, fill placement evaporation ponds and Cell 1 embankments, final grading evaporation ponds, fence placement (submittal), lift thickness, and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1. CQA observed fill placement in the evaporation ponds area and Cell 1 embankments, and stockpiling on the LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed grading in the evaporation ponds. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds and Cell 1 areas. CQA observed west side of topsoil stockpile being moved to the east (more room for LCRS/operations stockpile). CQA observed MTI testing placed fills for moisture and density.</p> <p>CQA staff tested evaporation ponds fill for moisture and density (lift 16 and west ramp area, SGEP# 548 to 552). Density tests were to project specifications. CQA staff tested Cell 1 embankments for moisture and density (SGC1#66 to 90). One density test was below project specifications (SGC1#70). This area was recompacted and tested to project specifications (SGC1#73). CQA located areas tested (SGC1# 66 to 90, SGEP#548 to 550). CQA continued augering holes and pushing Shelby tubes for permeability and moisture samples. CQA began removing placed Shelby tubes. CQA located permeability samples placed.</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 114 to 115) and ER-102-01 (Page 60).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: <i>Erin Cella</i>	Erik Olhoffer <i>β</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 48
CONTRACTOR CH2M HILL Constructors, INC.	DATE 9/28/01	DAY OF WEEK Friday
PROJECT MANAGER Don Vernon	WEATHER high clouds, 37 to 75,	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Cris Duncan, Craig Bean, Stacey Litya, Bret Killian, Larry M. (BBWI), Craig Reese, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 -Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, JD 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator, Champion 740A grader, two person auger,		
CREW ON SITE: Phenix 23, Mountain River 2,		
<p>On site 7:00.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today. CQA attended CQA/CQC meeting. Topics included density tests / locations evaporation ponds fill and Cell 1 embankments, continued excavation of Cell 1, permeability sampling of test pad (confining pressures), Boutwell results, MTI testing (9/27), fill placement evaporation ponds and Cell 1 embankments, final grading evaporation ponds (surveyors setting controls), silt fence (NCR closed out), lift thickness, and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1. CQA observed fill placement in the evaporation ponds area and Cell 1 embankments, and stockpiling on the LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed grading in the evaporation ponds. CQA observed moisture conditioning and compaction of fill placed in the evaporation ponds and Cell 1 areas. CQA observed material being hauled off site to ash pit (from Cell 1 excavation).</p> <p>CQA staff tested evaporation ponds fill for moisture and density (west side/ramp area, SGEP# 553 to 557). Density tests were to project specifications. CQA staff tested Cell 1 embankments for moisture and density (SGC1#91 to 106). Density tests were to project specifications. CQA located areas tested (SGC1# 91 to 106). CQA completed augering holes and pushing Shelby tubes for permeability and moisture samples. CQA completed removing placed Shelby tubes. CQA located permeability samples placed.</p> <p>Off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 116 to 117) and ER-102-01 (Page 61).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: <i>bu CQA</i> Erik Olhoffer <i>β</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 49
CONTRACTOR CH2M HILL Constructors, INC.	DATE 10/01/01	DAY OF WEEK Monday
PROJECT MANAGER Don Vernon	WEATHER clear, 41 to 83,	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Lex Strain, Cris Duncan, Craig Bean, Stacey Lilya, Bret Killian, Larry M. Tom B., Bob Thompson, Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Allen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 -Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, Cat D6, D4, and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator, Champion 740A grader, JCB 214 backhoe, Cat TH63 forklift, Cat 302.5 auger,		
CREW ON SITE: Phenix 23, Continental Steel 7,		
<p>On site 7:30.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today. CQA attended CQA/CQC meeting. Topics included density tests / locations and Cell 1 embankments, continued excavation of Cell 1, test pits in test pad, fill placement Cell 1 embankments, final grading evaporation ponds, haul to fly ash pit, beginning of fence placement (temporary fence, augering, locating fiber optics), lift thickness, and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1. CQA observed fill placement in the Cell 1 embankments, and stockpiling on the LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed grading in the evaporation ponds. CQA observed moisture conditioning and compaction of fill placed in the Cell 1 embankment areas. CQA observed east side embankment footprint of Cell 1 being made ready for fill placement (silty material being hauled to permanent stockpile). CQA observed tarps being removed from test pad. CQA observed temporary fence placement, augering holes for permanent fence, and pot holing for fiber optic line location.</p> <p>CQA staff tested Cell 1 embankments for moisture and density (SGC1#107 to 120). Density tests were to project specifications. CQA located areas tested (SGC1# 107 to 120). CQA directed and observed contractor digging test pits in clay liner test pad. Four test pits dug (2 each lane) completely through test pad. CQA observed desiccation from 4" to 12" and no defined layers from lift placement were noticeable.</p> <p>Construction meeting 10:00 (see minutes).</p> <p>Off site 18:00.</p> <p>Field book reference numbers ER-100-01 (pages 118 to 120) and ER-102-01 (Page 62).</p>		
REVIEWED BY: _____	Bryan Fritzler	REPORT BY: <i>Erik Olhoffer</i> Erik Olhoffer <i>β</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 50
CONTRACTOR CH2M HILL Constructors, INC.	DATE 10/02/01	DAY OF WEEK Tuesday
PROJECT MANAGER Don Vernon	WEATHER clear AM, clouds PM, 41 to 79,	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Cris Duncan, Craig Bean, Stacey Lilya, Bret Killian, Larry M., Markus Pinzel, Bob Sutherlin, (BBWI), Brian Corb, Craig Reese, Mark Allen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 -Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, Cat D6, D4, and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator, Champion 740A grader, JCB 214 backhoe, Cat TH63 forklift, Cat 302.5 auger,		
CREW ON SITE: Phenix 23, Continental Steel 7, Mountain River 2,		
<p>On site 7:30.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today. CQA attended CQA/CQC meeting. Topics included density tests / locations and Cell 1 embankments, continued excavation of Cell 1, fill placement Cell 1 embankments, final grading evaporation ponds, placement of topsoil on evaporation pond slopes, removal of silty material from east side Cell 1 footprint, continuation of fence placement (temporary fence, augering, materials arriving), lift thickness, test pad removal, and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1. CQA observed fill placement in the Cell 1 embankments, and stockpiling on the LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed grading/trackwalking in the evaporation ponds. CQA observed topsoil placement on evaporation pond outside slopes. CQA observed moisture conditioning and compaction of fill placed in the Cell 1 embankment areas. CQA observed east side embankment footprint of Cell 1 being made ready for fill placement (silty material excavated being hauled to permanent stockpile, existing soil being moisture conditioned and compacted). CQA observed temporary fence placement, augering holes for permanent fence, and material arrival. CQA observed Boutwells being removed from test pad and stockpiling of test pad material (test pad removed). CQA observed surveyor on site setting controls.</p> <p>CQA staff tested Cell 1 embankments for moisture and density (SGC1#121 to 154). Density tests were to project specifications. CQA located areas tested (SGC1# 121 to 154). CQA staff observed unloading of fencing materials. CQA staff received survey data of test pad from BBWI surveyor.</p> <p>Off site 18:00.</p> <p>Field book reference numbers ER-100-01 (pages 121 to 122) and ER-102-01 (Page 63 to 64).</p>		
REVIEWED BY: _____ Bryan Fritzler		REPORT BY: <u>Erik Olhoffer</u> Erik Olhoffer β

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 51
CONTRACTOR CH2M HILL Constructors, INC.	DATE 10/03/01	DAY OF WEEK Wednesday
PROJECT MANAGER Don Vernon	WEATHER clear AM, clouds PM, 41 to 75,	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Cris Duncan, Craig Bean, Stacey Liya, Bret Killian, Larry M., Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Allen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 -Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, Cat D6, D4, and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator, Champion 740A grader, JCB 214 backhoe, Cat TH63 forklift, Cat 302.5 auger,		
CREW ON SITE: Phenix 23, Continental Steel 7, Mountain River 2,		
<p>On site 7:30.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today. CQA attended CQA/CQC meeting. Topics included density tests / locations and Cell 1 embankments, continued excavation of Cell 1, fill placement Cell 1 embankments (lift thickness), testing and proof rolling Cell 1 footprint (east side), final grading evaporation ponds (red tops), placement of topsoil on evaporation pond slopes, continuation of fence placement (temporary fence, augering, fence post placement), and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1. CQA observed fill placement in the Cell 1 embankments, and stockpiling on the LCRS/operations layer stockpile. CQA observed cutting of slopes in Cell 1. CQA observed grading/trackwalking in the evaporation ponds. CQA observed topsoil placement on evaporation pond outside slopes and also being hauled to permanent stockpile. CQA observed moisture conditioning and compaction of fill placed in the Cell 1 embankment areas. CQA observed east side embankment footprint of Cell 1 being made ready for fill placement (silty material excavated being hauled to permanent stockpile, existing soil being moisture conditioned and compacted). CQA observed temporary fence placement, augering holes for permanent fence, and fence post placement (concrete). CQA observed surveyor on site setting controls.</p> <p>CQA staff tested Cell 1 embankments and existing grade for moisture and density (SGC1#155 to 188). Density tests were to project specifications. CQA located areas tested (SGC1# 155 to 188). CQA staff observed fence construction (placement of fencing posts in concrete). CQA observed proofrolling of east side of Cell 1 footprint. No soft areas observed.</p> <p>Off site 18:00.</p> <p>Field book reference numbers ER-100-01 (pages 123 to 124) and ER-102-01 (Page 65).</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: <i>Bryan Fritzler</i> Erik Olhoffer <i>B</i>

VECTOR ENGINEERING, INC.

CONSTRUCTION FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 52
CONTRACTOR CH2M HILL Constructors, INC.	DATE 10/04/01	DAY OF WEEK Thursday
PROJECT MANAGER Don Vernon	WEATHER clouds 40 to 65,	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
DAILY COMMUNICATION (PERSON/COMPANY) Cris Duncan, Craig Bean, Stacey Lilya, Bret Killian, Dave Miller, Larry M., Markus Pinzel, (BBWI), Mark N., Brian Corb, Craig Reese, Mark Allen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix),		
EQUIPMENT ON SITE: 2 -Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 rollers, Cat CP-563C sheeps roller, 2-Cat 330BL excavators, Cat D6, D4, and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD 450 LC excavator, Champion 740A grader, JCB 214 backhoe, Cat TH63 forklift, Cat 302.5 auger,		
CREW ON SITE: Phenix 21, Continental Steel 7, Mountain River 2, MTI 1,		
<p>On site 7:30.</p> <p>CQA attended job meeting. Topics were safety and scope of work to be done today. Safety stand down. CQA attended CQA/CQC meeting. Topics included density tests / locations and Cell 1 embankments, continued excavation of Cell 1, fill placement Cell 1 embankments (6' lift thickness, crest pad building at ele. 4924, C&D), confining pressures of perms, final grading evaporation ponds (red tops), placement of topsoil on evaporation pond slopes, continuation of fence placement (temporary fence, augering, fence post placement), and continuation of stockpiling of LCRS/operations material.</p> <p>CQA photographed ICDF construction activities. CQA observed water trucks watering site for dust control. CQA observed excavation of Cell 1. CQA observed fill placement in the Cell 1 embankments. CQA observed cutting of slopes in Cell 1. CQA observed topsoil placement on evaporation pond outside slopes. CQA observed moisture conditioning and compaction of fill placed in the Cell 1 embankment areas. CQA observed temporary fence placement, augering holes for permanent fence, and fence post placement (concrete). CQA observed surveyor on site setting controls.</p> <p>CQA staff tested Cell 1 embankments for moisture and density (SGC1#189 to 200). Density tests were to project specifications. CQA located areas tested (SGC1# 189 to 195). CQA staff observed fence construction (placement of fencing posts, spacing). CQA m delivering permeability samples to Vector's Lab over weekend.</p> <p>CQAm off site 15:00. CQA staff off site 17:30.</p> <p>Field book reference numbers ER-100-01 (pages 125 to 127) and ER-102-01 (Page 66).</p>		
REVIEWED BY: Bryan Fritzler	REPORT BY: Erik Olhoffer <i>E.O.</i>	

Appendix B-2
Weekly Construction Reports

VECTOR ENGINEERING, INC.

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 4
CONTRACTOR CH2M Hill Constructors, Inc.	DATE 8/13/01 to 8/17/01	DAY OF WEEK N/A
PROJECT MANAGER Don Vernon	WEATHER See below.	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE WORK		
COMMUNICATION (PERSONS/COMPANY) Brian Fritzler (Vector), Don Vernon, Lex Strain, Tom Borschel, Craig Bear, Bret Killian, Stacey Lilya, Dave Miller, Cris Duncan, Larry McM, Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Nielsen, Mark Allen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson), Bob Sutherland,		
EQUIPMENT USED/ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 3-H2O Trucks (4000 gal), Cat 143H motor grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 Drum roller, Cat CP-563C sheepfoot roller, Cat 330BL Excavator, John Deere 450E, disc, lime spreader, feed bin, fertilizer/seed spreader, rotovator, Cat 815F and 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, Champion 740A grader, 2 end dumps (10 wheel and semi), 2 Bell B40C 6x6 trucks, JD450 LC excavator		
CREW ON SITE: Phenix 18, Mountain River 2, Rad Con 1, Rad Survey 4.		

CQA observed the continuation of work on ICDF and Rye Grass Flats areas. This included the continued placement of temporary fencing and signage, continued stripping of work areas, continued grading, placement of silt fences, placement of straw bale check dams, and continued dust control of the ICDF and Rye Grass flats sites. CQA observed the moisture conditioning, compaction, and proof rolling in the evaporation ponds area (sub-grade). CQA observed the beginning of fill placement in the evaporation ponds area. CQA observed the completion of lift placement and compaction on the test pad area (sub-grade only). CQA observed the continuation of excavation in the Cell 1 area. CQA observed the beginning of cutting of slopes in the Cell 1 area. CQA observed placement of control stakes in the Cell 1, evaporation ponds, test pad, mixing, and conditioning areas. CQA observed the continuation of excavation in the Rye Grass Flats area and beginning of hauling to ICDF of clay liner soils. CQA observed the stockpiling of clay liner soils. CQA observed the placement of sacrificial clay in the mixing area. CQA observed the beginning of moisture conditioning and application of bentonite to clay liner soils in the ICDF area (mixing table).

CQA photographing sites and work on a daily basis. CQA continuing the sampling and testing of site soils as per 4.3.2.3 of the CQA plan. CQA completed testing the evaporation ponds sub-grade for moisture and density. Density tests taken were to project specifications. CQA completed testing of evaporation ponds sub-grade for moisture and density. Density tests taken were to project specifications. CQA observed proof rolling in the evaporation ponds area (no soft areas observed). CQA observed delivery of 17 super sacks of bentonite. CQA reviewed and approved bentonite submittals. CQA sampled clay liner soils and observed and documented bentonite application.

Rad Con on site on a daily basis (insitu survey in progress).

Daily safety and construction meetings held each morning prior to start of work.

Weather: No construction delay due to weather.

CQA attended bi-weekly construction meeting on 8/13.

REVIEWED BY: Bryan Fritzler	REPORT BY: Erik Olhoffer
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VECTOR ENGINEERING, INC.

CONSTRUCTION PROGRESS FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 5
CONTRACTOR CH2M Hill Constructors, Inc.	DATE 8/20/01 to 8/24/01	DAY OF WEEK N/A
PROJECT MANAGER Don Vernon	WEATHER See below.	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzier	
TYPE OF WORK Field/Soils CQA		
COMMUNICATION (PERSONS/COMPANY) Brian Fritzier (Vector), Don Vernon, Lex Strain, Tom Borschel, Mark Cole, Bob Thompson, Craig Bean, Bret Killian, Stacey Lilya, Dave Miller, Cris Duncan, Larry McManamon, Markus Pinzel, Curtis Reay, (BBWI), Brian Corb, Craig Reese, Mark Nielsen, Mark Allen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT USED/ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H motor grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 Drum roller, Cat CP-563C sheepsfoot roller, Cat 330BL Excavator, John Deere 450E, disc, lime spreader, feed bin, fertilizer/seed spreader, rotovator, Cat 815F and 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 dozer, Champion 740A grader, 2 end dumps (10 wheel and semi), 2 Bell B40C 6x6 trucks, JD450 LC excavator, White Field Boss 2-85 tractor		
CREW ON SITE: Phenix 19, Mountain River 2, Rad Con 1,		
<p>CQA observed the continuation of work on ICDF and Rye Grass Flats areas. CQA observed the continuation of fill placement in the evaporation ponds area. CQA observed the continuation of excavation in the Cell 1 area (material placed in permanent stockpile and evaporation ponds). CQA observed the continuation of cutting of slopes in the Cell 1 area. CQA observed placement of control stakes in the Cell 1 and evaporation ponds areas. CQA observed the continuation of excavation in the Rye Grass Flats area and continuation of hauling to ICDF of clay liner soils. CQA observed the stockpiling of clay liner soils. CQA observed the continuation of moisture conditioning and application of bentonite to clay liner soils in the ICDF area (mixing table). CQA observed the beginning of lift placement and compaction on the test pad area (bentonite clay liner). CQA observed the collection and stockpiling of detected Rad areas in southwest corner of site (stockpile fenced and signage placed).</p> <p>CQA photographing site work on a daily basis. CQA continuing the sampling and testing of site soils as per 4.3.2.3 of the CQA plan. CQA tested fill in the evaporation ponds area for moisture and density. Density tests were to project specifications. CQA sampled clay liner soils and observed and documented bentonite application as per 4.4.4.1.1 of CQA plan. CQA tested lifts placed on clay liner test pad for moisture and density as per 4.4.4.1.1 of CQA plan. Completed lifts were to project specifications.</p> <p>Rad Con on site on a daily basis.</p> <p>Daily safety and construction meetings held each morning prior to start of work.</p> <p>Weather: No construction delay due to weather.</p> <p>CQA attended CQA / CQC construction meeting on 8/20.</p>		
REVIEWED BY: _____ Bryan Fritzier		REPORT BY: <u>h. Culla</u> Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION PROGRESS FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 6
CONTRACTOR CH2M Hill Constructors, Inc.	DATE 8/27/01 to 8/31/01	DAY OF WEEK N/A
PROJECT MANAGER Don Vernon	WEATHER See below.	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
COMMUNICATION (PERSONS/COMPANY) Brian Fritzler, (Vector), Don Vernon, Lex Strain, Craig Bean, Bret Killian, Stacey Lilya, Dave Miller, Cris Duncan, Larry McManamon, Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Nielsen, Mark Allen, Jay Dehner, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Brodie Adams (Montgomery-Watson),		
EQUIPMENT USED/ON SITE: 5-Case IH tractors w/ Miskin Boxes/ Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H motor grader, Cat 950 and 966 loaders, Ing.-Rand DD-110 Drum roller, Cat CP-563C sheepsfoot roller, 2-Cat 330BL excavators, John Deere 450E, disc, lime spreader, rotovator, Cat 815F and 825G compactors, Case 7220 tractor, Cat TH63 forklift, Cat D6 and D8 dozers, Champion 740A grader, 2 end dumps (10 wheel and semi), 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD450 LC excavator, White Field Boss 2-85 tractor		
CREW ON SITE: Phenix 18, Mountain River 2, Rad Con 1, Rad Survey 2,		
<p>CQA observed the continuation of work on ICDF and Rye Grass Flats areas. CQA observed the continuation of fill placement in the evaporation ponds area. CQA observed the continuation of excavation in the Cell 1 area (material placed in permanent stockpile, LCRS / operations stockpile, and evaporation ponds). CQA observed the continuation of cutting of slopes in the Cell 1 area. CQA observed placement of control stakes in the Cell 1 and evaporation ponds areas. CQA observed the continuation of excavation in the Rye Grass Flats area and continuation of hauling to ICDF of clay liner soils. CQA observed the stockpiling of clay liner soils. CQA observed the continuation of moisture conditioning and application of bentonite to clay liner soils in the ICDF area (mixing table). CQA observed the continuation of lift placement and compaction on the test pad area (bentonite clay liner). CQA observed cover soil being placed over Rad stockpile (stockpile fenced and signage placed).</p> <p>CQA photographing site work on a daily basis. CQA continuing the sampling and testing of site soils as per 4.3.2.3 of the CQA plan. CQA tested fill in the evaporation ponds area for moisture and density. Completed density tests were to project specifications. CQA sampled clay liner soils and observed and documented bentonite application as per 4.4.4.1.1 of CQA plan. CQA tested lifts placed on clay liner test pad for moisture and density as per 4.4.4.1.1 of CQA plan. Completed lifts were to project specifications. Test pad construction complete.</p> <p>Rad Con on site on a daily basis.</p> <p>Daily safety and construction meetings held each morning prior to start of work.</p> <p>Weather: No construction delay due to weather.</p> <p>CQA attended CQA / CQC construction meeting on 8/29.</p>		
REVIEWED BY: _____ Bryan Fritzler		REPORT BY: <u>B. C. Olhoffer</u> Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION PROGRESS FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 7
CONTRACTOR CH2M Hill Constructors, Inc.	DATE 9/4/01 to 9/7/01	DAY OF WEEK N/A
PROJECT MANAGER Don Vernon	WEATHER See below.	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
WORK		
<p>COMMUNICATION (PERSONS/COMPANY) Brian Fritzler, Ken Criley, (Vector), Don Vernon, Lex Strain, Tom Borschel, Craig Bean, Bret Killian, Stacey Lilya, Russ Jones, Dave Miller, Cris Duncan, Larry McManamon, Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Nielsen, Mark Allen, Jay Dehner, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Brodie Adams, Phillip Crouse, (Montgomery-Watson), Dan Kennedy, Kevin Harris, (Northwind),</p>		
<p>EQUIPMENT USED/ON SITE: 4-Case IH tractors w/ Miskin Boxes / Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 Drum rollers, Cat CP-563C sheepsfoot roller, 2-Cat 330BL excavators, John Deere 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD450 LC excavator,</p>		
<p>CREW ON SITE: Phenix 21, Mountain River 2, Rad Con 1,</p>		
<p>CQA observed the continuation of work on ICDF area. CQA observed the continuation of fill placement in the evaporation ponds area. CQA observed the continuation of excavation in the Cell 1 area (material placed in permanent stockpile, LCRS / operations stockpile, and evaporation ponds). CQA observed the continuation of cutting of slopes in the Cell 1 area. CQA observed placement of control stakes in the Cell 1 and evaporation ponds areas. CQA observed the placement of silt fence around site (stockpiles and SE corner of site).</p> <p>CQA photographing site work. CQA continuing the sampling and testing of site soils as per 4.3.2.3 of the CQA plan. CQA tested fill in the evaporation ponds area for moisture and density. Completed density tests were to project specifications. CQA began placement of Boutwells in clay liner test pad.</p> <p>Rad Con on site on a daily basis.</p> <p>Daily safety and construction meetings held each morning prior to start of work.</p> <p>Weather: Construction delay due to weather on 9/5 (wind).</p> <p>CQA attended test pad construction review meeting on 9/6.</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: <i>Er. C. Olhoffer</i> Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION PROGRESS FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 8
CONTRACTOR CH2M Hill Constructors, Inc.	DATE 9/10/01 to 9/14/01	DAY OF WEEK N/A
PROJECT MANAGER Don Vernon	WEATHER See below.	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
COMMUNICATION (PERSONS/COMPANY) Brian Fritzler, Ken Criley, (Vector), Don Vernon, Tom Borschel, Lex Strain, Craig Bean, Bret Killian, Stacey Lilya, Dave Miller, Cris Duncan, Larry McManamon, Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Nielsen, Mark Allen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Kevin Harris, (Northwind),		
EQUIPMENT USED/ON SITE: 4-Case IH tractors w/ Miskin Boxes / Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 950 and 966 loaders, 2-Ing.-Rand DD-110 Drum rollers, Cat CP-563C sheepsfoot roller, 2-Cat 330BL excavators, John Deere 450E dozer, disc, lime spreader, rotovator, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD450 LC excavator,		
CREW ON SITE: Phenix 21, Mountain River 2, Rad Con 1, MTI 1,		
<p>CQA observed the continuation of work on the ICDF area. CQA observed the continuation of fill placement in the evaporation ponds area. CQA observed the continuation of excavation in the Cell 1 area (material placed in permanent stockpile, LCRS / operations stockpile, and evaporation ponds). CQA observed the continuation of cutting of slopes in the Cell 1 area. CQA observed the scarification, moisture conditioning, and compaction of Cell 1 embankment areas (MTI testing). CQA observed placement of control stakes in the Cell 1 and evaporation ponds areas. CQA observed material from Cell 1 excavation being hauled to ash pit for cover material.</p> <p>CQA photographing site work. CQA continuing the sampling and testing of site soils as per 4.3.2.3 of the CQA plan. CQA tested fill in the evaporation ponds area for moisture and density. Completed density tests were to project specifications. CQA completed placement of Boutwells in clay liner test pad. CQA began taking permeability readings of Boutwells.</p> <p>Rad Con on site on a daily basis.</p> <p>Daily safety and construction meetings held each morning prior to start of work.</p> <p>Weather: Construction halted early on 9/11.</p> <p>CQA attended survey meeting on 9/13.</p>		
REVIEWED BY: Bryan Fritzler		REPORT BY: <i>Erik Olhoffer</i> Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION PROGRESS FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 9
CONTRACTOR CH2M Hill Constructors, Inc.	DATE 9/17/01 to 9/21/01	DAY OF WEEK N/A
PROJECT MANAGER Don Vernon	WEATHER See below.	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
COMMUNICATION (PERSONS/COMPANY) Brian Fritzler, Ken Criley, (Vector), Don Vernon, Tom Borschel, Lex Strain, Craig Bean, Bret Killian, Stacey Lilya, Cris Duncan, Larry McManamon, Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Nielsen, Mark Allen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Kevin Harris, (Northwind),		
EQUIPMENT USED/ON SITE: 4-Case IH tractors w/ Miskin Boxes / Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 Drum rollers, Cat CP-563C sheepsfoot roller, 2-Cat 330BL excavators, John Deere 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD450 LC excavator,		
CREW ON SITE: Phenix 20, Mountain River 2,		
<p>CQA observed the continuation of work on the ICDF area. CQA observed the continuation of fill placement in the evaporation ponds area. CQA observed the continuation of excavation in the Cell 1 area (material placed in permanent stockpile, LCRS / operations stockpile, and evaporation ponds). CQA observed the continuation of cutting of slopes in the Cell 1 area. CQA observed the scarification, moisture conditioning, and compaction of Cell 1 embankment areas. CQA observed proofrolling of Cell 1 embankment areas (no soft areas observed). CQA observed the beginning of fill placement for the Cell 1 embankments. CQA observed placement of control stakes in the Cell 1 and evaporation ponds areas.</p> <p>CQA photographing site work. CQA continuing the sampling and testing of site soils as per 4.3.2.3 of the CQA plan. CQA tested fill in the evaporation ponds area for moisture and density. CQA tested existing grade and fill placed in the Cell 1 embankment areas for moisture and density. Completed density tests were to project specifications. CQA continued taking permeability readings of Boutwells. CQA inspected silt fences and check dams.</p> <p>Daily safety and construction meetings held each morning prior to start of work.</p> <p>Weather: No construction delays due to weather.</p> <p>CQA attended construction meeting on 9/17.</p>		
REVIEWED BY: <u>Bryan Fritzler</u>		REPORT BY: <u>h C UMA</u> Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION PROGRESS FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 10
CONTRACTOR CH2M Hill Constructors, Inc.	DATE 9/24/01 to 9/28/01	DAY OF WEEK N/A
PROJECT MANAGER Don Vernon	WEATHER See below.	
CQA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		
COMMUNICATION (PERSONS/COMPANY) Brian Fritzler, Ken Criley, (Vector), Tom Borschel, Lex Strain, Craig Bean, Bret Killian, Stacey Lilya, Cris Duncan, Larry McManamon, Markus Pinzel, (BBWI), Brian Corb, Craig Reese, Mark Allen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Kevin Harris, (Northwind),		
EQUIPMENT USED/ON SITE: 2-Case IH tractors w/ Miskin Boxes / Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 loader, 2-Ing.-Rand DD-110 Drum rollers, Cat CP-563C sheepsfoot roller, 2-Cat 330BL excavators, John Deere 450E dozer, Cat D6 and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD450 LC excavator, Champion 740A grader, two person auger,		
CREW ON SITE: Phenix 23, Mountain River 2, MT1 1, Northwind 2,		
<p>CQA observed the continuation of work on the ICDF area. CQA observed the continuation of fill placement and grading in the evaporation ponds area. CQA observed the continuation of excavation in the Cell 1 area (material placed in permanent stockpile, LCRS / operations stockpile, Cell 1, and evaporation ponds). CQA observed the continuation of cutting of slopes in the Cell 1 area. CQA observed the continuation of fill placement for the Cell 1 embankments. CQA observed placement of control stakes in the Cell 1 and evaporation ponds areas. CQA observed material excavated from Cell 1 being hauled to ash pit. CQA observed MTI testing placed fills for moisture and density.</p> <p>CQA photographing site work and progress. CQA continuing the sampling and testing of site soils as per 4.3.2.3 of the CQA plan. CQA tested fill placed in the evaporation ponds area for moisture and density. CQA tested fill placed in the Cell 1 embankment areas for moisture and density. Completed density tests were to project specifications. CQA completed taking permeability readings of Boutwells. CQA removed Boutwell stands. CQA sampled for laboratory permeability's around each Boutwell (3 each). CQA surveyed locations of Boutwells, laboratory permeability samples, and limits of test pad.</p> <p>Daily safety and construction meetings held each morning prior to start of work.</p> <p>Weather: No construction delays due to weather.</p>		
REVIEWED BY: _____ Bryan Fritzler		REPORT BY: <u><i>m cullen</i></u> Erik Olhoffer

VECTOR ENGINEERING, INC.

CONSTRUCTION PROGRESS FIELD REPORT

JOB NO. 011211.00	PROJECT NAME INEEL CERCLA DISPOSAL FACILITY PH1	PAGE 1 of 1
LOCATION INEEL	CLIENT BECHTEL	REPORT SEQUENCE NO. 11
CONTRACTOR CH2M Hill Constructors, Inc.	DATE 10/1/01 to 10/4/01	DAY OF WEEK N/A
PROJECT MANAGER Don Vernon	WEATHER See below.	
QA MONITOR Erik Olhoffer	CQA ENGINEER Bryan Fritzler	
TYPE OF WORK Field/Soils CQA		

COMMUNICATION (PERSONS/COMPANY) Brian Fritzler, Ken Criley, (Vector), Tom Borschel, Lex Strain, Craig Bean, Bob Thompson, Bret Killian, Stacey Lilya, Cris Duncan, Larry McManamon, Markus Pinzel, Bob Sutherlin, (BBWI), Brian Jobb, Craig Reese, Mark Allen, Mark Nielsen, (CH2M Hill), Lyman Lindstrand (Vortex), Lance Peterson (Phenix), Kevin Harris, (Northwind),

EQUIPMENT USED/ON SITE: 2-Case IH tractors w/ Miskin Boxes / Pans (14cy), 2-H2O Trucks (4000 gal), Cat 143H grader, Cat 966 grader, 2-Ing.-Rand DD-110 Drum rollers, Cat CP-563C sheepsfoot roller, 2-Cat 330BL excavators, John Deere 450E dozer, Cat M4, D6, and D8 dozers, 2 Bell B40C 6x6 trucks, Cat D25D and 730 trucks, JD 2500 6x6 truck, JD450 LC excavator, Champion 40A grader, JCB 214 backhoe, Cat TH63 forklift, Cat 302.5 auger,

REWORK ON SITE: Phenix 23, Continental Steel 7, Mountain River 2, MTI 1,

CQA observed the continuation of work on the ICDF area. CQA observed the continuation of grading in the evaporation ponds area. CQA observed the continuation of excavation in the Cell 1 area (material placed in permanent stockpile, LCRS / operations stockpile, and Cell 1). CQA observed the continuation of cutting of slopes in the Cell 1 area. CQA observed the continuation of fill placement for the Cell 1 embankments. CQA observed the scarification, moisture conditioning, and compaction of Cell 1 embankment areas (East side). CQA observed placement of control stakes in the ICDF area. CQA observed MTI testing placed fills for moisture and density. CQA observed the arrival of and beginning of placement of temporary and permanent fencing. CQA observed the removal of Boutwells from and the stockpiling of clay liner material from the test pad. CQA observed topsoil being placed on outside slopes of evaporation ponds.

CQA photographing site work and progress. CQA continuing the sampling and testing of site soils as per 4.3.2.3 of the CQA plan. CQA tested existing grade and fill placed in the Cell 1 embankment areas for moisture and density. Completed density tests were to project specifications. CQA observed the proofrolling of East side of Cell 1 embankments (no soft areas observed). CQA directed and observed the excavation of test pits in the clay liner test pad (four). CQA delivered permeability samples to CQA lab for testing.

Daily safety and construction meetings held each morning prior to start of work.

Weather: No construction delays due to weather.

Construction meeting held 10/01/01.

REVIEWED BY: _____ Bryan Fritzler REPORT BY: Bryan Fritzler Erik Olhoffer